

SCHEMATIC DIAGRAM AND PARTS LIST

BK PRECISION

470

CRT TESTER/REJUVENATOR

PARTS LIST 488-144-9-002G

**SCHEMATIC
SYMBOL**

DESCRIPTION

**B & K-PRECISION
PART NO.**

ELECTROLYTIC CAPACITORS

C1	5 μ F, 250 VDC	021-018-9-001
C2, 3	50 μ F, 450 VDC	021-056-9-001

DIODES

D2	Germanium Diode, 1N67	150-008-9-001
D1, 3-9	Rectifier, 600 PIV, 1 A.....	151-050-9-001

RESISTORS AND CONTROLS

Standard value resistors are not listed. Values may be obtained from schematic diagram.

R1	3 Ω , $\pm 10\%$ Linear, 12 W, W.W. Pot	009-037-9-001
R3	50 k Ω , $\pm 10\%$ Linear, 1/2 W, Carbon Pot	008-135-9-001
R6	1 M Ω $\pm 1\%$, 1/2 W, Metal Film Resistor	011-061-9-001
R7	50 k Ω $\pm 30\%$, Horizontal Mount Linear Trimmer Pot	008-224-9-001
R9	49.9 Ω , $\pm 1\%$, 1/2 W, Deposited Carbon Resistor	002-004-9-001
R10	1 k Ω , $\pm 30\%$, Logarithmic Taper Carbon Pot	008-213-9-001
R11	0.99 Ω , $\pm 1\%$, 1/2 W, W.W. Resistor.....	004-115-9-001
R13, R14	2.5 k Ω , $\pm 10\%$, 7 W, W.W. Resistor.....	014-007-6-252
R15	4.7 Ω , $\pm 10\%$, 1/2 W, W.W. Resistor.....	006-102-9-479
R17 - 19	100 k Ω , $\pm 10\%$, 4 W, W.W. Pot	009-036-9-001

SWITCHES

S1	11-Position Rotary Switch (Function)	083-168-9-001
S2	3-Position Rotary Switch (Gun Selector)	083-170-9-001
S3	6-Position Rotary Switch (Htr. Range)	083-091-9-001
S4	Pushbutton Switch 3PDT Momentary.....	088-026-9-001

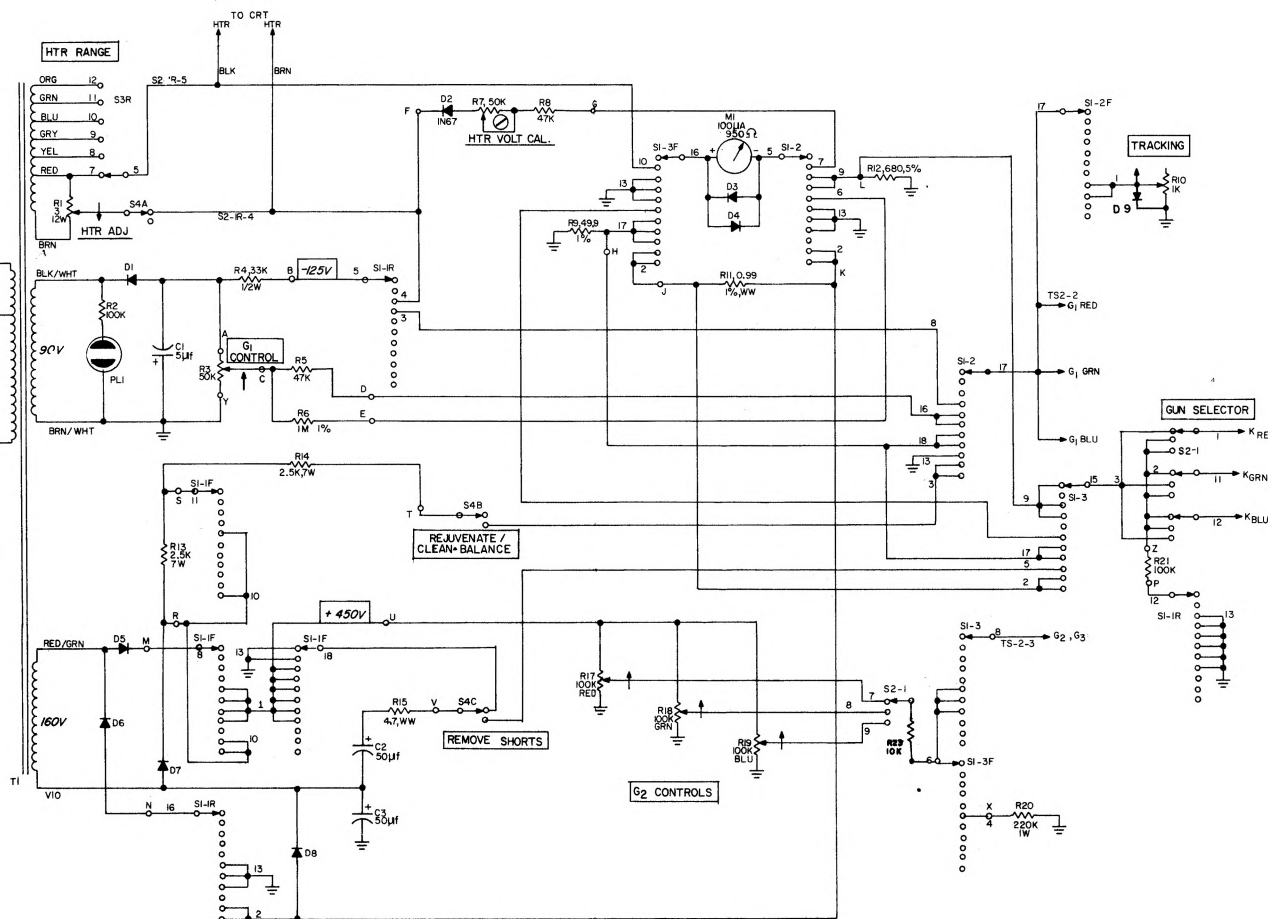
**COMPOSITE
499-071-9-001G**

BK PRECISION
MODEL 470
CRT TESTER /
REJUVENATOR
488-144-9-001 E

POLARIZED
PLUG

END VIEW

LAST NUMBER	NOT USED
C3	
DB	
F1	
M1	
PL1	
R2	16
S4	
T1	
TS2	

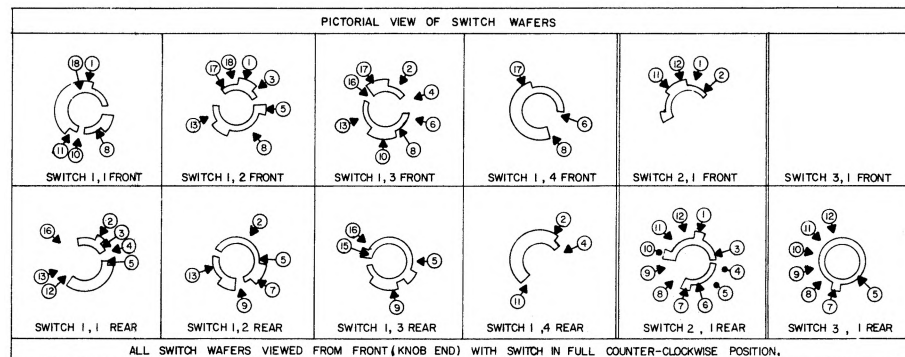
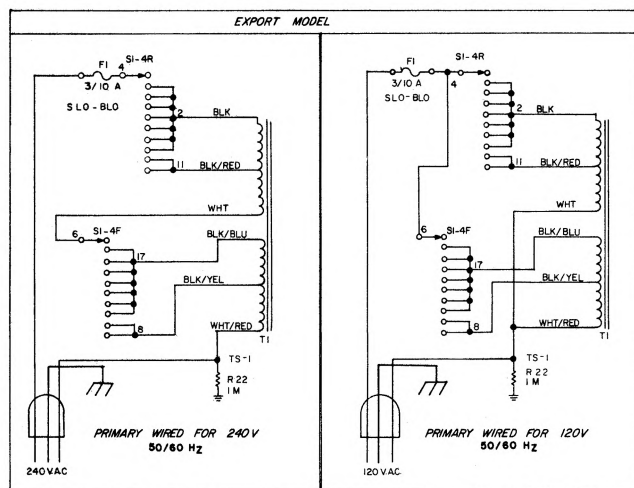


WIRE COLOR	FUNCTION	PIN NO.
BLK	HTR	1
GRN	G1 RED	2
BLU	G1 GRN	3
PUR	G1 BLU	4
RED	K RED	5
GRN	K GRN	6
BLU	K BLU	7
ORG	G2 GRN	8
YEL	G2 GRN	9
PINK	G2 BLU	10
WHT	G2 / G4	12

FUNCTION	FUNCTION
S1	POWER OFF
2	SET HEATER
3	HTR LEAKAGE
4	G1 LEAKAGE
5	SET G1 VOLTAGE
6	SET G2 CUTOFF VOLTAGE
7	READ EMISSION
8	SET COLOR TRACKING
9	REMOVE SHORTS
10	CLEAN+ BALANCE
11	REJUVENATE
S2	RED / BWB
2	GREEN
3	BLUE
S3	0-4
2	4-7
3	7-9
4	8-11
5	10-12
6	12-14
S4	REMOVE SHORTS
	CLEAN+ BALANCE
	REJUVENATE

NOTES:
 UNLESS OTHERWISE SPECIFIED
 1. ALL RESISTORS 1/2W, 10%
 2. ALL DIODES 1A, 600V
 3. ARROWS ON POT WIPERS INDICATE DIRECTION OF
 CLOCKWISE ROTATION
 4. SCHEMATIC IS SUBJECT TO CHANGE WITHOUT NOTICE

⊥ CIRCUIT COMMON
 ⚡ CHASSIS CONNECTION



ALL SWITCH WAFERS VIEWED FROM FRONT (KNOB END) WITH SWITCH IN FULL COUNTER-CLOCKWISE POSITION.

**SCHEMATIC
SYMBOL**

DESCRIPTION

**B & K-PRECISION
PART NO.**

MISCELLANEOUS

F1	Fuse 3/10 A, 250 V, 3 AG Slow-Blow	190-004-9-001
PL1	Neon Bulb, NE-2 with 7" Leads	401-016-9-001
T1	Power and Filament Transformer (120 V)	065-105-9-001
	Power and Filament Transformer (120/240 V).....	065-105-9-002
M1	Meter	320-061-9-001
	Line Cord (U.S. Version)	420-034-9-009
	Line Cord (CSA Version)	420-013-9-001
	Line Cord (Export Version).....	420-010-9-001
	Case Assembly	523-490-9-001
	Knob, Function	751-005-9-008
	Knob, Small.....	751-112-9-001
	Knob, Gun Selector and Htr. Range	751-115-9-001
	Knob, Pushbutton Black.....	384-016-9-006
	Lens Cap, Red.....	750-003-9-001
	Tube Chart	497-019-0-000
	Instruction Manual	480-159-9-001
	Guarantee, CRT, 20 Per Pad.....	483-174-9-001
	Output Cable Assembly	427-013-9-001
	Rubber Foot	381-002-9-001
	Vinyl Divider Flap.....	758-021-9-001
	Hinge Wire.....	763-027-9-001
	Adapter Storage Assembly.....	523-103-9-001

PARTS ORDERING INFORMATION

There is a minimum charge for each invoice. Orders will be shipped C.O.D. unless previous open account arrangements have been made or remittance accompanies order. Advance remittance must cover handling, postage, or express charges. Specify model and serial number when ordering replacement parts.

ORDER REPLACEMENT PARTS FROM:

B & K-Precision, Dynascan Corporation
 Factory Service Operations
 4050 North Ravenswood Avenue
 Chicago, Illinois 60613
 Tel (312) 327-7270
 Telex: 25-3475



6460 West Cortland Street
 Chicago, Illinois 60635